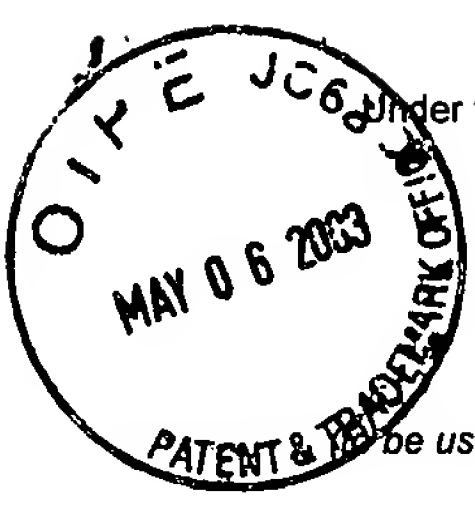


2684



TRANSMITTAL FORM

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PTO/SB/21 (03-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

| | | |
|--|----|--------------------------------|
| Application Number | | 09/651,754 |
| Filing Date | | August 30, 2000 |
| First Named Inventor | | Michael E. Campbell |
| Art Unit | | 2684 |
| Examiner Name | | Andrew T. Harry |
| Total Number of Pages in This Submission | 65 | Attorney Docket Number 20-0139 |

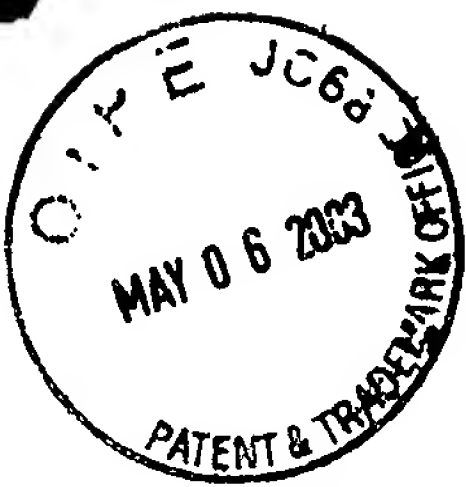
| ENCLOSURES (Check all that apply) | | |
|--|--|--|
| <input checked="" type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> After Allowance Communication to Group |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
| <input type="checkbox"/> Amendment/Reply | <input type="checkbox"/> Petition | <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Power of Attorney, Revocation | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Extension of Time Request | <input type="checkbox"/> Change of Correspondence Address | <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Terminal Disclaimer | PTO-1449 and Cited Art |
| <input checked="" type="checkbox"/> Information Disclosure Statement | <input type="checkbox"/> Request for Refund | |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> CD, Number of CD(s) _____ | |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | <div>Remarks</div> <p>Information Disclosure Statement, PTO-1449 and Fee Transmittal in duplicate</p> | |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <p style="text-align: right;">RECEIVED</p> <p style="text-align: right;">MAY 08 2003</p> <p style="text-align: right;">Technology Center 2600</p> | |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|-------------------------------------|
| Firm or Individual | Connie M. Thousand; Reg. No. 43,191 |
| Signature | <i>Connie M. Thousand</i> |
| Date | |

| CERTIFICATE OF TRANSMISSION/MAILING | |
|---|----------------------------|
| I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: 04/30/2003 | |
| Typed or printed | Marilyn L. Beaumont |
| Signature | <i>Marilyn L. Beaumont</i> |
| Date | 4/30/03 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

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Docket No. 20-0139

#4
fd
5/21/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:)
Michael E. Campbell)
Serial No.: 09/651,754)
Filed: August 30, 2000)
For: TRANSCEIVER-PROCESSOR)
BUILDING BLOCK FOR ELECTRONIC)
RADIO SYSTEMS)

Examiner: Andrew T. Harry

Group Art Unit: 2684

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on

4/30/03

Marilyn L. Beaumont
Marilyn L. Beaumont

INFORMATION DISCLOSURE STATEMENT

RECEIVED

Commissioner for Patents
Washington, D.C. 20231

MAY 08 2003

Technology Center 2600

Sir:

This document is an Information Disclosure Statement to the above-identified patent application filed on August 30, 2000.

Attached hereto is at least one form PTO-1449 listing documents believed relevant to the subject application, which were disclosed in the International Search Report of the PCT Application. The submission of the following information is not intended, nor should it be construed, to constitute an admission that any patent, article, or other information referred to herein, is "prior art," unless specifically designated as such. In accordance with 37 C.F.R. Section 1.97(b), the filing of this information shall not be construed to mean that a search has been made or that no other material information may exist. Neither its submission is to be construed that a thorough search is not to be conducted by the Examiner.

This Information Disclosure Statement identifies references cited in the prosecution of a corresponding foreign application. This Information Disclosure Statement is being submitted at the earliest practical time, as the International Search Report was issued on February 24, 2003, and received on March 6, 2003.

05/07/2003 SDENB081 00000000 201515 09351734

01 FC:1005

100.00 CM

It is believed this disclosure complies with the requirements of 37 C.F.R. Section 1.56 and the Manual of Patent Examining Procedure Section 707.05(b). If for some reason the examiner considers otherwise, it is respectfully requested that the undersigned be telephoned so that any deficiencies can be remedied. A copy of each document is enclosed. These documents are not necessarily analogous art. Additionally, the order of the following documents is not to be accorded any particular import, as the order is random.

It is respectfully requested that these documents be:

- (1) fully considered by the Patent and Trademark Office during the examination of this application; and
- (2) represented on any patent which may issue on the application.

Applicants respectfully request that a copy of the PTO-1449 Form, as considered and initialed by the Examiner, be returned with the next communication.

The Commissioner is hereby authorized to charge any fees that may be required by this paper to Deposit Account No. 20-1515. A duplicate copy of this paper is enclosed.

Respectfully submitted,

Date: April 30, 2003



Connie M. Thousand
Registration No. 43,191

Northrop Grumman Space Technology
Intellectual Asset Management
One Space Park, R11/2796BG
Redondo Beach, CA 90278
Tele: (310) 813-1550/FAX: (310) 812-2687

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MAY 06 2003
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FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 180.00

Complete if Known

Application Number 09/651,754
Filing Date August 30, 2000
First Named Inventor Michael E. Campbell
Examiner Name Andrew T. Harry
Art Unit 2684
Attorney Docket No. 20-0139

RECEIVED

MAY 08 2003

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit
Account
Number
Deposit
Account
Name

20-1515

TRW INC.

The Commissioner is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☐ Credit any overpayments

☐ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1001 | 750 | 2001 | 375 | Utility filing fee | |
| 1002 | 330 | 2002 | 165 | Design filing fee | |
| 1003 | 520 | 2003 | 260 | Plant filing fee | |
| 1004 | 750 | 2004 | 375 | Reissue filing fee | |
| 1005 | 160 | 2005 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | | | (\$) | |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | | Extra Claims | | Fee from below | | Fee Paid |
|--------------|--------------------|--------------|--------|----------------|---|----------|
| Independent | Multiple Dependent | -20** = | -3** = | X | X | |
| | | | | | | |

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1202 | 18 | 2202 | 9 | Claims in excess of 20 | |
| 1201 | 84 | 2201 | 42 | Independent claims in excess of 3 | |
| 1203 | 280 | 2203 | 140 | Multiple dependent claim, if not paid | |
| 1204 | 84 | 2204 | 42 | ** Reissue independent claims over original patent | |
| 1205 | 18 | 2205 | 9 | ** Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) | | | | (\$) | |

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued) Technology Center 2600

3. ADDITIONAL FEES

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|-----------------------------------|----------|--------------|----------|--|------------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 1051 | 130 | 2051 | 65 | Surcharge - late filing fee or oath | |
| 1052 | 50 | 2052 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 1053 | 130 | 1053 | 130 | Non-English specification | |
| 1812 | 2,520 | 1812 | 2,520 | For filing a request for ex parte reexamination | |
| 1804 | 920* | 1804 | 920* | Requesting publication of SIR prior to Examiner action | |
| 1805 | 1,840* | 1805 | 1,840* | Requesting publication of SIR after Examiner action | |
| 1251 | 110 | 2251 | 55 | Extension for reply within first month | |
| 1252 | 410 | 2252 | 205 | Extension for reply within second month | |
| 1253 | 930 | 2253 | 465 | Extension for reply within third month | |
| 1254 | 1,450 | 2254 | 725 | Extension for reply within fourth month | |
| 1255 | 1,970 | 2255 | 985 | Extension for reply within fifth month | |
| 1401 | 320 | 2401 | 160 | Notice of Appeal | |
| 1402 | 320 | 2402 | 160 | Filing brief in support of an appeal | |
| 1403 | 280 | 2403 | 140 | Request for oral hearing | |
| 1451 | 1,510 | 1451 | 1,510 | Petition to institute a public use proceeding | |
| 1452 | 110 | 2452 | 55 | Petition to revive - unavoidable | |
| 1453 | 1,300 | 2453 | 650 | Petition to revive - unintentional | |
| 1501 | 1,300 | 2501 | 650 | Utility issue fee (or reissue) | |
| 1502 | 470 | 2502 | 235 | Design issue fee | |
| 1503 | 630 | 2503 | 315 | Plant issue fee | |
| 1460 | 130 | 1460 | 130 | Petitions to the Commissioner | |
| 1807 | 50 | 1807 | 50 | Processing fee under 37 CFR 1.17(q) | |
| 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt | 180.00 |
| 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | |
| 1809 | 750 | 2809 | 375 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 1810 | 750 | 2810 | 375 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 1801 | 750 | 2801 | 375 | Request for Continued Examination (RCE) | |
| 1802 | 900 | 1802 | 900 | Request for expedited examination of a design application | |
| Other fee (specify) | | | | | |
| *Reduced by Basic Filing Fee Paid | | | | SUBTOTAL (3) | (\$ 180.00 |

SUBMITTED BY

(Complete if applicable)

Name (Print/Type) Connie M. Thousand
Registration No. (Attorney/Agent) 43,191
Telephone 310-813-1550
Signature [Signature]
Date April 30, 2003

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